

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

--1. (Currently Amended) A radio communication apparatus for radio-communicating with another radio communication apparatus, comprising:

frame setting means for setting a frame period and a slot as predetermined time units;

receiving slot setting means for setting at least one receiving slot among a plurality of receiving slots received during said frame period;

notification means for notifying information of said receiving slot set by said receiving slot setting means via a beacon signal; and

slot increasing means for increasing said receiving slots, [[if]] when receiving a signal from another radio communication apparatus at said receiving slot.

--2. (Currently Amended) A radio communication apparatus for radio-communicating with another radio communication apparatus, comprising:

receiving means for receiving a beacon signal from another radio communication apparatus;

receiving slot detection means for detecting a receiving slot of said other radio communication apparatus from said

received beacon signal; and

slot increasing means for increasing said plurality of receiving slots at a timing that does not coincide with the receiving slots detected by said receiving slot detection means.

--3. (Currently Amended) A radio communication apparatus for radio-communicating with another radio communication apparatus, comprising:

frame setting means for setting a frame period and a slot as predetermined time units;

receiving slot setting means for setting a plurality of receiving slots received during said frame period;

notification means for notifying information of said receiving slot set by said receiving slot setting means via a beacon signal; and

slot decreasing means for decreasing said plurality of receiving slots to a minimum of one, when there is no signal reception from another radio communication apparatus at said receiving slot set by said receiving slot setting means.

--4. (Currently Amended) A radio communication apparatus for radio-communicating with another radio communication apparatus, comprising:

receiving means for receiving a beacon signal from another

radio communication apparatus;

receiving slot detection means for detecting a receiving slot of said ~~ether~~ another radio communication apparatus from said received beacon signal; and

transmitting means for transmitting information via a new receiving slot ~~[[if]]~~ when a change occurs at said receiving slot, after information is transmitted against a receiving slot of said ~~ether~~ another radio communication apparatus.

--5. (Currently Amended) A radio communication apparatus for radio-communicating with another radio communication apparatus, comprising:

frame setting means for setting a frame period and a slot as predetermined time units;

receiving slot setting means for setting at least one receiving slot among a plurality of receiving slots received during said frame period; and

notification means for notifying information of said receiving slot set by said receiving slot setting means via a beacon signal~~[[;]]~~, wherein

said notification means notifies a reception acknowledgement ~~[[if]]~~ when receiving a signal from another radio communication apparatus at said receiving slot set by said receiving slot setting means via a beacon.

--6. (Currently Amended) A radio communication method for performing radio communication between a user's radio communication apparatus and a plurality of radio communication apparatuses, the method comprising the steps of:

setting a frame period of predetermined time through a radio communication apparatus;

preparing a slot of predetermined time unit during the frame period set in said setting step;

setting at least one receiving slot through each of said radio communication apparatuses; and

increasing ~~one's own~~ the receiving slots in the user's radio communication apparatus, [[if]] when there is reception at said receiving slot set in said setting step.

--7. (Currently Amended) A radio communication method for performing radio communication between a user's radio communication apparatus and a plurality of radio communication apparatuses, the method comprising the steps of:

setting a frame period of predetermined time through a radio communication apparatus;

collecting a beacon from another adjacent radio communication apparatus through a receiving operation performed throughout said frame period set in said setting step;

storing receiving slot information of said other adjacent radio communication apparatus from said beacon; and

increasing ~~one's own~~ receiving slots of the user's radio communication apparatus at a timing that does not coincide with said receiving slots stored by said storing step.

--8. (Currently Amended) A radio communication method for performing radio communication between a user's radio communication apparatus and a plurality of radio communication apparatuses, the method comprising the steps of:

setting a frame period of predetermined time through a radio communication apparatus;

preparing a slot of predetermined time unit during the frame period set in said setting step;

setting a plurality of receiving slots for data reception through each of said radio communication apparatuses; and

decreasing ~~one's own~~ receiving slots of the user's radio communication apparatus to a minimum of one, when there is no reception by said receiving slots set in said setting step.

--9. (Currently Amended) A radio communication method for performing radio communication between a plurality of radio communication apparatuses, the method comprising the steps of:

setting a frame period of predetermined time through a radio communication apparatus;

collecting a beacon from another adjacent radio

communication apparatus through a receiving operation performed throughout said frame period set in said setting step;

storing receiving slot information of said ~~ether~~ another adjacent radio communication apparatus from said beacon;

receiving a beacon signal from a radio communication apparatus [[if]] when information is transmitted by a receiving slot of said radio communication apparatus; and

transmitting information via another receiving slot, [[if]] when a change occurs in an allocation of a receiving slot.

--10. (Currently Amended) A radio communication method for performing radio communication between a plurality of radio communication apparatuses, the method comprising the steps of:

setting a frame period of predetermined time through a radio communication apparatus;

preparing a slot of predetermined time unit during the frame period set in said setting step;

setting at least one receiving slot through each of said plurality of radio communication apparatuses;

notifying a position of said receiving slot set in said setting step via a beacon; and

notifying reception acknowledgement, [[if]] when receiving a signal from another radio communication apparatus.

--11. (Currently Amended) A computer-readable program for executing a process of radio communication with between a user's radio communication apparatus and another radio communication apparatus on a computer system, the program comprising the step of:

increasing receiving slots, ~~[[if]]~~ when there is reception in at least one receiving slot set by ~~one's own~~ the user's radio communication apparatus.

--12. (Currently Amended) A computer-readable program for executing a process of radio communication with between a user's radio communication apparatus and another radio communication apparatus on a computer system, the program comprising the step of:

decreasing receiving slots to a minimum of one, ~~[[if]]~~ when there is no reception at any receiving slot set by ~~one's own~~ the user's radio communication apparatus.

--13. (Currently Amended) A computer-readable program for executing a process of radio communication with another radio communication apparatus on a computer system, the program comprising the step of:

transmitting information via another receiving slot, ~~[[if]]~~ when a change occurs in an allocation of a receiving slot of a receiving radio communication apparatus.

--14. (Currently Amended) A computer-readable program for executing a process of radio communication ~~with~~ between a user's radio communication apparatus and another radio communication apparatus on a computer system, the program comprising the step of:

notifying reception acknowledgement, if a signal from another radio communication apparatus is received at a receiving slot set by ~~one's own~~ the user's radio communication apparatus.